

U 34140-65

MISSION NAME ASSOCIATED

normal (1.2-1.25%) content, calcium had little or no effect. The protective effect of calcium compounds depends not only on the calcium content of the ration with which it is bound. The compounds have a protective effect on the skeleton, increasing effectiveness. $\text{Ca}(\text{PO}_3)_2$ and $\text{Ca}(\text{PO}_3)_2 \cdot \text{H}_2\text{O}$ are the most effective.

During the period of the experiment, the animals were kept on a ration containing 1.25% calcium. The results of the experiment are shown in Table 1. The results show that the protective effect of calcium compounds is not only dependent on the calcium content of the ration, but also on the type of compound used.

The effect of calcium on Sr^{90} metabolism in the skeleton of young and adult rats is shown in Table 2. The results show that the protective effect of calcium compounds is not only dependent on the calcium content of the ration, but also on the type of compound used.

Increasing the protein concentration of the ration (from 20 to 30%) or to 40% (from 20 to 40%) reduces the amount of Sr^{90} deposited in the skeleton of young and adult rats 1.5-fold and 1.2-fold, respectively.

Changes in the deposition of Sr^{90} in the skeleton of animals following

Cord 2/3

1140-65

ADDITION NR: AT5006117

changes in the amount of calcium, phosphorus, magnesium, fat, and protein included in the ration were due mainly to changes in the amount of the radioisotope absorbed in the gastrointestinal tract. Orig. art. as stated.

ASSOCIATION: none

SUBMITTED: 10Apr64

ENCL: 06

SUB CODE: LS

NO REF SOV: 000

OTHER: 000

Card 3/3

RAVICH-SHECHERKO, Mikhail Iosifovich; ANNENKOV, Genrikh Antonovich;
KONDRASHKOVA, S.F., red.

[Physical and colloid chemistry] Fizicheskaya i kolloid-
naya khimiya. Moskva, Vysshaya shkola, 1964. 297 p.
(MIRA 19:1)

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101710003-8

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101710003-8"

~~ANNENKOV, G.A.~~

USSR/General Problems of Pathology - Immunity.

T-1

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12507

Author : Annenkov, G.A.

Inst : Not given

Title : On the Role Played by the Liver in Antibody Synthesis.

Orig Pub : Sb. tr. Kurskiy med. in-t, 1956, vyp. 11, 335-337

Abstract : Rabbits poisoned with CCl_4 , P or HgCl_2 were immunized by a warm vaccine of paracolon bacilli and B. paratyphosus B. Chronic CCl_4 or P poisoning depressed antibody synthesis and agglutinin formation. There was an increase in gamma globulins. In HgCl_2 poisoning antibody synthesis was not affected. CCl_4 caused mainly an involvement of the liver's R.E. system, whereas HgCl_2 effected extrahepatic tissues. The liver's synthesis of albumin has no direct relationship with antibody formation. Depression of agglutinin

Card 1/2

USSR/General Problems of Pathology. Immunity

U-1

Abs Jour : Ref Zhur - Biol., No 5, 1958, 22826

Author : Annenkov, G.A.

Inst :

Title : The Effect of Carbon Tetrachloride Poisoning Upon the
Synthesis of Agglutinins in Response to the Paracolon
Bacillus and B. Paratyphosus in Rabbits.

Orig Pub : Sb. tr. Kurskiy med. in-t, 1956, vyp 11, 407-409

Abstract : A slight CCl_4 poisoning caused some stimulation of
agglutinine synthesis, whereas a severe (daily) poi-
soning led to inhibition of antibody formation.

Card 1/1

ANNENKOV, G. A., Cand of Med Sci -- (diss) "On the problem of the role of kidneys in the synthesis of antibodies." Kursk, 1957, 12 pp (Voronezh State Medical Institute and Kursk State Medical Institute), 200 copies (KL, 31-57, 105)

USSR / General Problems of Pathology. Immunity.

U

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102402.

Author : Annenkov, G. A.

Inst : Not given.

Title : The Influence of Intoxication with Carbon Tetrachloride and Phosphorus on the Antibody and Albumin Concentration in the Serum of Rabbit's Blood.

Orig Pub: Zh. mikrobiol., epidemiol. i immunobiologii, 1957, No 4, 20-25.

Abstract: Daily in the course of 4-5 weeks, 0.3 ml/kg CCl₄ each was introduced subcutaneously to rabbits. Immunization of animals with warmed paracolon or paratyphoid B-vaccine was started on the 4-9th day of intoxication. The agglutinin titer (AT) in experimental animals is considerably lower than in the control. Lowering of AT was noted in 24 of 26

Card 1/2

19

ANNENKOV, G.A.

Comparative studies on the dynamics of synthesis of antibodies and of nonspecific gamma globulins [with summary in English]. Vop.med.khim. 4 no.1:27-32 Jan'58 (MIRA 11:5)

1. Kafedra biokhimii Kurskogo meditsinskogo instituta.
(ANTIBODIES,
synthesis, site & chem. aspects (Rus))
(GAMMA GLOBULIN,
synthesis, site & chem. aspects (Rus))

RAVICH-SHEHERBO, M.I., prof.; ANNENKOV, G.A., assistant

Change in the amount of total protein, gamma globulins, and
agglutinins in the blood serum of rabbits in mercuric chloride
poisoning. Sbor. trud. Kursk. gos. med. inst. no.13:195-198
'58. (MIRA 14:3)

1. Iz kafedry biologicheskoy khimii (zav. - prof. M.I.Ravich-Sheherbo)
Kurskogo gosudarstvennogo meditsinskogo instituta.
(PROTEINS IN THE BODY) (GAMMA GLOBULIN)
(AGGLUTININS) (MERCURY CHLORIDES—TOXICOLOGY)

RAVICH-SHCERBO, M.I.; ANNENKOV, G.A.

Comparison of the synthesis of various antibodies in rabbits
poisoned by carbon tetrachloride and mercuric chloride during
simultaneous immunization with two antigens. Zhur.mikrobiol.
epid.i immun. 31 no.6:29-35 Ag '60. (MIRA 14:6)

1. Iz Kurskogo meditsinskogo instituta.
(ANTIGENS AND ANTIBODIES) (CARBON TETRACHLORIDE—TOXICOLOGY)
(MERCURY—TOXICOLOGY)

ANOKHIN, Grigoriy Aleksandrovich, inzh.; IVANOV, Yuriy Nikolayevich,
inzh.; SNEIYANSKIY, V.A., red.; KORNEYEVA, V.I., tekhn. red.

[Masonry and home furnace construction] Kamennye i pechnye
raboty; posobie dlia uchashchikhsia IX-XI klassov sel'skoi
srednei shkoly. Moskva, Gos.uchebno-pedagog.izd-vo M-va
prosv. RSFSR, 1961. 231 p. (MIRA 15:2)
(Masonry) (Furnaces, Heating)

ANNENKOV, G.A., PANKOPENKO, L.G., RAVICH-SHENBERG, H.L., (USSR)

"Synthesis of Various Antibodies and the Ratios of
Non-Specific Protein Fractions of Blood Serum in
Experimental Pathological Conditions."

Report presented at the 5th Int'l. Biochemistry Congress,
Moscow, 10-16 Aug 1961.

RAVICH-SHCHEKBO, M.I., prof.; ANNENKOV, G.A.

Results of the use of a modified method for rapid protein electrophoresis on paper in clinical investigations. Sbor. trud. Kursk. gos. med. inst. no.16:168-172 '62. (MIRA 17:9)

1. Iz kafedry biologicheskoy khimii (zav. - prof. M.I. Ravich-Shcherbo) Kurskogo meditsinskogo instituta.

AM ENKOV, G.A.; MAKSIMOVA, V.A.

Comparison between the activity of aldolase and an electrophore-
gram of proteins in Botkin's disease. Sbor. trud. Kursk. gos.
med. inst. no.16:173-177 '62. (MIRA 17:9)

1. Iz kafedry biokhimii (zav. - prof. M.I. Ravich-Shcherbo) i
kliniki infektsionnykh bolezney (zav. - dotsent M. Ye. Gal'porin)
Kurskogo meditsinskogo instituta.

ANNENKOV, G.A.

Comparative electrophoretic study of blood serum proteins in lower monkeys and man. Biokhimiia 30 no.2:423-428 Mr-Apr '65. (MIRA 18:7)

1. Laboratoriya biokhimii Instituta eksperimental'noy patologii i terapii AMN SSSR, Sukhumi.

SINITSYNA, A.I.; KEDA, Yu.M.; ANNENKOV, G.A.

Effect of chemotrypsin hydrolysates of the bull and swine growth hormone on the content of urea and total and residual nitrogen in the blood in monkeys. Probl. endok. i gorm. 11 no.5:106-108 3-0 '65.

(MJRA 19:1)

1. laboratoriya biokhimii (zav. - doktor biol. nauk Ye.A. Kollii) Vsesoyuznogo inatituta eksperimental'noy endokrinologii, Moskva, i laboratoriya biokhimii (zav. - prof. A.V. Trufanov) instituta eksperimental'noy patologii i terapii AMN SSSR, Sukhumi. Submitted October 22, 1964.

ANNENKOV, G.G.

Studying the characteristics of the deviation of boreholes
according to new methods. Izv. vys. ucheb. zav.; geol. i
razv. 8 no. 12:120-24 D '65 (MIRA 19:1)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva.

ACC NR: AP7013704

SOURCE CODE: UR/0292/67/000/002/0012/0014

AUTHOR: Kurakin, A. S. (Candidate of technical sciences); Annenkov, V. B.
(Engineer)

ORG: none

TITLE: Evenness of rotation of synchronous micromotors

SOURCE: Elektrotehnika, no. 2, 1967, 12-14

TOPIC TAGS: electric motor, electric rotating equipment part, magnetic field, miniature electric equipment

SUB CODE: 10

ABSTRACT: The smoothness of rotation of rotors of various types of synchronous motors is investigated. The influence of ellipticity of the magnetic field, the polarity of the motors, heterogeneity in magnetic field over length of the motor and curvature of the angular characteristic of the motor on evenness of rotation speed is shown. Recommendations are given for the creation of precision synchronous motors. The evenness of rotation rate of synchronous motors with permanent magnets can be increased by giving preference to multipole designs with increased air gap, which provides for even distribution of the field over the length of the motor, strict symmetry in the windings, high

Card 1/2

UDC: 621.313.13-181.4.001.5

0933 2164-

ANNENKOV, O.V.; PATLAKH, L.I.

Ways of increasing the productivity of labor. Sakh.prom. 28 no.6:
4-7 '54. (MLRA 7:11)

1. Olavsakhar.
(Sugar industry)

ANNENKOV, G.V.

Schools for production innovators. Sakh.prom. 29 no.8:4-6 '55.
(MIRA 9:2)

1.Ministerstvo promyshlennosti predevel'stvennykh tovarov SSSR.
(Sugar industry)

ABEYDULINA, V.A.; ANNENKOV, G.V.; YEFKHIYEVA, L.G.; VOROB'YEVA,
L.I., red.

[Methodology for determining the level of production mechanization in confectionery enterprises] Metodika opredelenia urovnia mekhanizatsii proizvodstva na predpriatiakh konditerskoi promyshlennosti. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 99 p. (MIRA 17:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut konditerskoy promyshlennosti. 2. Tsentral'nyy nauchno-issledovatel'skiy institut konditerskoy promyshlennosti, otдел ekonomiki (for Abeydulina, Annenkov, Yefkhiyeva).

ANNENKOV, G.V.; ABEYDULINA, V.A.

Method of determining the mechanization level of production in
confectionery enterprises. Khleb.i kond.prom. 6 no.6:17-21
Je '62. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konditerskoy
promyshlennosti.
(Confectionery--Equipment and supplies)

ANNENKOV, I.P.; VARYUSHIN, V.Ya., nauchnyy sotrudnik

Complications after the administration of a glycerinized
crystal violet vaccine against hog cholera. Veterinariia
40 no.11:38-43 N '63. (MIRA 17:9)

1. Glavnyy veterinarnyy vrach Verkhne-Lyubazhskogo rayona,
Kurskoy oblasti (for Annenkov). 2. Kurskaya oblastnaya
nauchno-proizvodstvennaya veterinarnaya laboratoriya (for
Varyushin).

ANNENKOV, I. U.

WAD_16202

ANNENKOV, I. U.

Article: The television center of Leningrad is put in service

Radio No. 11, 1948

immediate source BR

3

117 AND 118 COPIES 119 AND 120 COPIES	
RUSSIAN, E. G. CA	16
PROCESSES AND PROPERTIES ARE: The use of pure cultures in the production of vinegar. M. O. Anan'kov, <i>Acidul. Bredn'ol. Prom.</i> 1939, No. 9, 34-35; <i>Khm. Referat. Zh.</i> 1939, No. 11, 45. Optimum production results were obtained from the use of natural pure cultures. For optimal nutrition a mineral salt is recommended consisting of water 100 cc., $(NH_4)_2SO_4$ 0.225 g., superphosphate 0.225 g., K_2CO_3 0.00 g. and glucose. This method increased the productivity of the oxidizing agents 1.5-2.0 times. W. R. Henn	
ASD-51A METEOROLOGICAL LITERATURE CLASSIFICATION GROUP 117-118 GROUP 119-120	

АМЕРСОН, Н. С.

(Vinegar manufacturing) Moskva, Pishchepromizdat, 1951. 103.p.

1. Vinegar.

ANNENKOV, N.A. (Novosibirsk)

Cooperative use of loading and unloading equipment. Zhel.dor.
transp.39 no.2:79 P '57. (MLRA 10:3)

1. Zamestitel' direktora zavoda "Sibsel'mash".
(Loading and unloading)

ANNENKOV, N.A., mashinist bashonnogo krana

Without one accident. Transp. stroi. 14 no.2:35 F '64.
(MIRA 17:4)

1. SU-336 trosta Moselektratyagstroy.

ANNENKOV, N.I. (Leningrad)

Experience in the surgical treatment of varicose dilatation
of the veins of the spinal cord and its roots. Vop. neirokhir.
26 no.5:25-27 S-0162 (MIRA 17:4)

1. Nauchno- issledovatel'skiy neyrokhirurgicheskiy institut
imeni A.L. Polenova, Leningrad.

ANNENKOV, N.I.

Cerebrospinal fluid changes and myelographic data in patients with varices of the spinal cord. Zhur. nevr. i psikh. (3 no.6: 859-861 '63. (MIRA 17:6)

1. Leningradskiy nauchno-issledovatel'skiy nevrologicheskii institut imeni A.I. Ponomareva (direktor - prof. V.M. Goryunov).

ANNENKOV, N.I.

Study of spatial analysis and synthesis in disorders of gnosis and praxis. Zhur.nevr. i psikh. 66 no.1:25-30 '66.

(MIRA 19:1)

1. Laboratoriya klinicheskoy neyrofiziologii (zavednyushchiy - prof. N.A.Kryshova) Instituta fiziologii im. Pavlova (direktor - prof. V.N.Chernigovskiy) AN SSSR, Leningrad. Submitted December 19, 1964.

AMTENKOV, Nikolay Timofeyevich, dorozhnyy master

Our group is striving for improvement. Put'i put.khoz. no.7:
18-19 J1 '59. (MIRA 12:10)

1. 12-7 okolotok Saratovskoy distantii puti, stantsiya Bagayevka,
Privolzhskoy dorogi.
(Saratov Province--Railroads--Maintenance and repair)

ANNENKOV, P.
25692

Tarkhan. Kolkhoz im. Vuroshilova Issykkul'skoy Obl. Ocherk. Kirgizstan, Kn.
7, 1948, s. 90-95

SO: LETOPIS NO. 30, 1948

ANNENKOV, P. (Khar'kov)

Conversation was suddenly interrupted. Okh. truda i sots. strakh.
no.6:23-24 Je '59. (MIRA 12:10)

(Kharkov--Machine-tool industry)

ANNENKOV, Vladimir Fedorovich; SMIRNOV, A.V., red.; KUZ'MINYKH,
A.A., red.1st-va; SHIBKOVA, R.Ye., tekhn. red.

[Work practices of the shop of compressed wood parts at
the Khartsyzsk Pipe Plant] Opyt raboty tsekha detalei pres-
sovannoi drevesiny pri Khartsyzskom trubnom zavode. Moskva,
Goslesbumisdat, 1962. 46 p. (MIRA 16:3)
(Khartsyzsk--Wood, Compressed)

KHOKHLOV, S.F., kand.tekhn.nauk; ANNENKOV, V.A., kand.tekhn.nauk; SHUTKIN, G.A.,
insh.

Studying the process of mass transfer in a scrubber having critically
slotted plates. Khim. i nef. mashinostr. no.9:25-26 S '65.
(MIRA 18:10)

ATTENKOV, V.A.

Under new conditions we must work in a new way. TSvet. met. 28
no. 12:2-4 D '65 (MIRA 19:1)

SOV/137-58-9-18726

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 83 (USSR)

AUTHOR: Annenkov, V.A.

TITLE: Results of the Fulfillment of the Plan for Building Gas-cleaning and Dust-separating Installations at Operational Establishments of the USSR Ministry of Nonferrous Metallurgy in 1955, and the Plan of Construction for 1956 (Ob itogakh vpolneniya plana stroitel'stva gazoochistnykh i pyleulavlivayushchikh ustanovok na deystvuyushchikh predpriyatiyakh Ministerstva tsvetnoy metallurgii SSSR za 1955 g. i plan stroitel'stva na 1956 g.)

PERIODICAL: Sb. materialov po pyleulavlivaniyu v tsvetn. metallurgii. Moscow, Metallurgizdat, 1957, pp 17-19

ABSTRACT: Data are presented on the building of gas-cleaning and dust-separating installations at nonferrous metallurgy plants in 1955. Note is taken of the unsatisfactory design of these installations in 1955. Data are presented on the plan for construction of gas-cleaning and dust-separating installations in 1956. The volume of capital investments in 1956 is 2.3 times as large as in 1955. See also RZhMet. 1958, Nr 8, abstracts 16596-16603. 1. Industrial plants--Equipment G.G.
2. Gases--Cleaning 3. Industrial equipment--Construction

Card 1/1

ANNENKOV, V.A.; GAZARYAN, L.M.; KRASOVSKIY, V.P.; POMERANTSIV, V.V.

"Economic aspects of nonferrous metallurgy in the U.S.S.R." by
S.A. Pervushin and others. Reviewed by V. A. Annenkov and others.
Izv. vys. ucheb. zav.; tsvet. met. 4 no.1:184-187 '61.

(MIRA 14:2)

(Nonferrous metals--Metallurgy) (Pervushin, S.A.)

(Rashkovskii, S. Ia.) (Gol'braikh, S. IA.)

(Malinova, R. D.) (Bykova, T. D.)

ANNENKOV, V.A.

Complete and early mastering of rated capacities is an objective
of paramount importance. TSvet. met. 36 no.3:1-4 Mr '63.
(MIRA 16:5)
(Nonferrous metal industries)

ANNENKOV, V.A.

More efficient use of capital investments in nonferrous metal
industries. TSvet. met. 35 no.1:1-5 Ja '62. (MIRA 16:7)
(Nonferrous metal industries) (Capital investments)

ANNENKOV, V.A.

Work out building plans and build in a new way. TSvet. mot. 36 no.11:
3-5 N '63. (MIRA 17:1)

AMENKOV, V.A., kand. tekhn. nauk; VAKULIN, V.S., inzh.; PLOCHENKO, I.G.;
KOCOSHIN, P.A.

Threaded packing of a molding vulcanizer. Khim. i nef. mashinostr.
no. 2:40 F '65. (MIRA 18:4)

ANNENKOV, V.A.

Introduction as scheduled of new productive capacities. TSvet. met.
38 no.4:1-4 Ap '65. (MIRA 18:5)

ANNENKOV, V.A., kand. tekhn. nauk; SARANA, G.V. [Sarana, G.V.]

Using wood as packing for the telescopic pipes of ferring volcanizers.
Khim.prom. [Ukr.] no.2:53-54 Ap-Je '65.

(MIRA 18:6)

1944, ... POEDNEV, V.A., ...
1944, ... POEDNEV, V.A., ...

(MIRA 10:9)

ANNENKOV, V.P.; YEKIMENKO, N.A.

Use of compressed wood in the enterprises of White Russia.
Mashinostroitel' no.7:24-25 J1 '65. (MIRA 18:7)

YEKIMENKO, N.A.; ANNENKOV, V.F.

Compressed wood from the waste of veneer manufacture (ccrea).
Der. prom. 14 no.7:10-11 J1 '65. (MIRA 19:1)

1. Otdel mekhaniki polimerov AN BSSR.

STEPANOVA, Klavdiya Gavrilovna, doyarika; KHRAMOV, M., red.; ANNENKOV, V. N.,
uchenyy zootekhnik, retsenzent; POKHLEBKINA, M., tekhn. red.

[I am proud of my occupation] Gorshun' svoei professiei. Moskva,
Mosk. rabochii, 1962. 39 p. (MIRA 16:3)

1. Deputat Ozerskogo sel'skogo Soveta deputatov trudyashchikh-
sya, starshaya doyarika sovkhoza "Pravda" Moskovskoy oblasti
(for Stepanova).

(Agricultural workers)

ANNENKOV, V.T.; BRYKOV, V.S.

A spiral line with time delay regulation. Izv.vys.ucheb.zav.;
radiotekh. 5 no.5:654-656 S-0 '62. (MIRA 15:11)

1. Rekomendovano kafedroy teoreticheskikh osnov elektrotekhniki
Khar'kovskogo zaochnogo politekhnicheskogo instituta.
(Coaxial cables) (Wave guides) (Delay lines)

ANNENKOV, Ye.I., inzh.-podpolkovnik; YAKOVLEV, N.Ya., inzh.-major.

Advances in chemistry applied to the repair of aviation equipment.
Vest. Vozd. Fl. 41 no.9:64-69 S '58. (MIRA 11:10)
(Airplanes--Maintenance and repair)

INVENTOR: G. S. SHAPIRO

C A

Testable and bakelite as corrosion-resistant materials for the protection of mirrors. K. J. ABRAMOV and L. M. Andriyev. *Korrosiya i Porozhdeniya*, No. 3, 81-4 (1940).

The surface of the mirror was first coated with 10-15% bakelite in EtOH, and concave places were filled with bakelite putty (bakelite lacquer 100 g., plus FeSO_4 , kaolin, or graphite 200-300 g.). The coating was dried in the air for 20-30 hrs., or at 50-70° for 2-3 hrs. Then testolite or bakelite or both were applied and heated at temps. of 80-120° for a total of 100 hrs. The polymerized surface was mechanically polished, then coated with a bakelite enamel (bakelite lacquer (10 g.) NaOH , 20 g.) and heated to 80-100° for 23 hrs. The enameling procedure was repeated. This treatment gave greater resistance to corrosion than did ordinary enamel.

C. S. Shapiro

ABSTRACT METALLURGICAL LITERATURE CLASSIFICATION

CLASSIFICATION

АННЕНКОВ, Е. И.

~~Noncorroding elastics~~ E. I. Annenkov. *J. Chem. Ind. (U. S. S. R.)* 18, No. 18-19, 23-24 (1941). The properties and uses of ~~facilit~~, textolite and asbovinyl are described. H. M. Leicester

Process of the United States of America
and the United States of America
and the United States of America

SOV/86-58-9-27/42

AUTHORS: Annenkov, Ye. I., Engr Lt Col, and Yakovlev, N. Ya.,
Engr Maj

TITLE: Application of Achievements in Chemistry to the
Repair of Aviation Materiel (Dostizheniya khimii--
v praktiku remonta aviatsionnoy tekhniki).

PERIODICAL: Vestnik vozdushnogo flota, 1958, Vol 41, Nr 9,
pp 64-69 (USSR)

ABSTRACT: The authors describe some instances of using physico-chemical processes in the repair of aviation materiel. In Air Force establishments electroplating has been used for many years to repair parts and units, and to produce anticorrosion coatings. The chemical nickel-plating method for aircraft parts, and the ultrasonic electroplating method for aluminum alloys have been proposed. Recently, anodic-mechanical methods of metal machining have become widely used. An etching method, replacing grinding, has been developed; complexly

Card 1/3

Application of Achievements in (Cont.)

SOV/86-58-9-27/42

Some good quality parts have been made from hydraulically compressed powders. Several perchlorovinyl varnishes and enamels are now used as anticorrosion coatings for skins of aircraft flying at ultrasonic speeds or close to it. Infrared lamps are now used to dry these and other coatings in the open, after painting. The new methods provided various advantages, e.g., they brought savings in materials, expenses, labor and time. Among improvements now being developed in laboratories and industrial enterprises are: the use of molybdenum disulfide to lubricate bearings and gear transmissions which operate under sharp temperature changes (minus 50° to plus 400° C), use of a carbon dioxide stream to cut special steels, and the use of public-network gas for metal cutting.

Card 3/3

ANDREYEV, Georgiy Borisovich, inzh.; VOLOSUYEV, Viktor Mikhaylovich, inzh.; GORYUNOV, Boris Fedorovich, doktor tekhn.nauk, prof.; SMIRNOV, Nikolay Andreyevich, kand.tekhn.nauk; SUDOLEV, Georgiy Aleksandrovich, inzh.; Prinsipali uchastiye: ANNENKOV, Ye.N., inzh.; ZLATOVERKHNIKOV, L.F., kand.tekhn.nauk; KORCHIAGINA, A.Ya., inzh.; KRIVITSKIY, S.I., inzh.; RUMYANTSEV, A.N., inzh.; LAPINA, Z.D., red.; MOSHAROVA, T.P., red.; TIKHONOVA, Ye.A., tekhn. red.

[Technical operation of hydraulic engineering structures in harbors] Tekhnicheskaya ekspluatatsiya portovykh gidrotekhnicheskikh sooruzhenii. [By] G.B.Andreev i dr. Moskva, Izd-vo "Morskoi transport," 1962. 375 p. (MIRA 15:8)
(Hydraulic structures) (Harbors)

IVANOV, N.S.; ANNENKOV, Yu.N.

Automatic multichannel photorecorder for geocryological observations.
Trudy Sev.-Vost. otd. Inst. meral. AN SSSR no. 1:101-110 '58.
(MIRA 16:12)

ANNENKOV, YU. A.

Teplo-i massoobmen v merslykh tolshchakh zemnoy kory (Heat and Mass Transfer in the Frozen Strata of the Earth's Crust) Moscow, Izd-vo AN SSSR, 1963 213p/
Research by the staff of the Heat-and Mass-Transfer Division of the Institute of Permafrost Study, Siberian Branch, AS USSR.

Ivanov, N.S. Measurement of Thermal Currents With Spherical and Cylindrical Probes in a Stationary Regime 135

Ivanov, N.S. Nonstationary Methods for the Determination of Thermal Currents With Spherical and Cylindrical Probes 191

Mandarov, A.A. Laboratory Equipment for the Study of Heat- and Mass-Transfer in Soils and in Rocks 198

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Ivanov, N.S., Yu.N. Annenkov, and Yu.A. Tyshev. A Device for the Automatic Switchover of the Measuring Range in (Electric) Bridge Systems 207

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SOKOLOVA, N.; MAULENBENDINA, U.; ANNENKOVA, A., red.

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methodological materials for lectures and talks] K sorokoletiu
Kazakhskoi Sovetskoi Sotsialisticheskoi Respubliki; metodicheskie
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1. Alma-Ata. Gosudarstvennaya respublikanskaya publichnaya biblioteka.
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TSARNY, G.P.; ANDRONNIKOV, V.V.; KONTYOROVA, A.A.; ANNENKOVA, A.A.;
V. BOZISTROVA, M.P., red.; MEDVEDOVA, S.G., red.; BIKMUKHAMEDOV,
., red.; IL'KONINA, F.I., red.

[Kazakhstan; on the 40th anniversary of the Great October Socialist
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SSR; k 40-letiiu Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii;
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(Kazakhstan--Statistics) (Bibliography--Kazakhstan)

ANNENKOVA, G.A.; MOLEVA, V.A.

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no.14:201-204 '63. (MIRA 16:10)

(Khibiny Mountains--Eurolite)

ANNENKOVA, G.A.

Xenotlite from Kel'bodzhar district in the Azerbaijan S.S.R.
Trudy Min. muz. no.15:184-186 '64.

(MIRA 17:11)

VASIL'YEV, D.S., kand. sel'skokhoz. nauk; ANIENKOVA, G.N., nauchnyy sotrudnik

Chemical weed control of coriander fields. Zashch. rast. ot vred.
i bol. 8 no.4:25 Ap '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i
efiromaslichnykh kul'tur Krasnodar.

(Krasnodar Territory—Coriander)
(Krasnodar Territory—Weed control)

VASIL'YEV, D.S., kand.sel'khoz.nauk; ANNENKOVA, G.N., nauchnyy sotr.;
BARTENEV, V.A., nauchnyy sotr.; KOSTSOV, P.A.

Using 2, 4-D for controlling offset weeds in fall-plowed fields.
Zemledelie 23 no.8164-66 Ag '61. (MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut maslichnykh i
efiromaslichnykh kul'tur (for Vasil'yev, Annenkova, Bartenev).
2. Glavnyy agronom opytno-eksperimental'nogo khosystva
"Berezanskoye" (for Kostsov).
(Weed control) (2, 4-D)

ZHUKOVSKAYA, S.A.; ANIENKOVA, L.A.; BOYKO, I.D.

Use of a jet extractor for the recovery and purification of ery-
thromycin and tetracycline. Med. prom. 13 no.5:26-33 My '59.

(MIRA 12:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
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BOYKO, I.D.; ZHUKOVSKAYA, S.A.; ANNENKOVA, L.A.

Investigation of the aeration process in aeration installations.

1. Aeration by means of mechanical mixers and bubblers. Med. prom.
14 no.9:36-41 S '60. (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(DRUG INDUSTRY--EQUIPMENT AND SUPPLIES)
(OXYGEN--INDUSTRIAL APPLICATIONS)
(ANTIBIOTICS)

BOYKO, I.D.; ZHUKOVSKAYA, S.A.; ANTONKOVA, L.A.

Investigation of the aeration process of aerating devices. Part 2:
Jet aeration. Med. prom. 14 no. 10:13-15 0 '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(OXYGEN—INDUSTRIAL APPLICATIONS)

AMENKOVA, L.A.; BOYKO, I.D.; ZHUKOVSKAYA, S.A.

Extraction of terramycin from native solutions with the use
of a jet extractor. Med. prom. 15 no.11:43-45 N '61. (MIRA 15:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(TERRAMYCIN)

ANNENKOVA, N. P.

PA 16T63

USSR/Marine Biology
Oceanography

May 1947

"The Presence of Nereis virens in the White Sea,"
N. P. Annenkova, Z. G. Palenichko, 3 pp

"Priroda" No 5

Report of discovery of Nereis virens along the
Karel'ski coast of the White Sea. Of great interest
in determining fauna of the sea, as occurrence of
Nereis virens in the White Sea is extremely rare.

16T63

ANNENKOVA, N.P.

~~Polychaeta~~
New species of Polychaeta. Trudy zool. inst. 12:148 154 '52. (MLRA 6:6)
(Polychaeta)

88. Phosphacol as a Therapeutic Agent in Glaucoma

"Effect of Phosphacol on Glaucoma," by T. F. Annenkova, Sbornik Trudov Kurskovo Meditsinskogo Instituta (Collection of Works of the Kursk Medical Institute), 1955, No 2 (10), pp 178-180 (from Referativnyy Zhurnal--Biologiya, No 9, 10 May 57, Abstract No. 38,925)

"Fifty-four glaucoma patients were treated with phosphacol. The author came to the conclusion that phosphacol [paranitrophenyl ester of diethylphosphoric acid] effectively reduces intra-ocular pressure without irritating the mucous membrane, and can fully replace pilocarpine and eserine. Phosphacol is most effective in concentration of 1:75,000."
(U)

Sum 1429

ANNENKOVA, T.F.

Formation of the stump following enucleation. Report No.2.
Sbor. trud. Kursk. gos. med. inst. no.13:57-60 '58. (MIRA 14:3)

1. Iz kliniki glasnykh bolezney (sav. - prof. A.G.Krol') i kafedry
patologicheskoy anatomii (sav. prof. A.S.Brumberg) Kurskogo gosudar-
stvennogo meditsinskogo instituta.
(EYE-SURGERY)

ANNENKOVA, T. F.

Use of elastic plastics (EG mass-12) for the formation of a stump after enucleation. Oft. zhur. 13 no.6:344-346 '58. (MIRA 12:1)

1. Iz kafedry glaznykh bolezney (sav. -prof. A.O. Krol') Kurskogo meditsinskogo instituta.
(EYE--SURGERY) (PLASTICS)

ANNENKOVA, V.I.; DMITRIYEV, G.N.; SYRNOV, E.I.; STRUKOV, A.N.

Metallurgical coke from Irkutsk basin coal. Izv.vost.fil.AN SSSR
no. 6-74-78 '57. (MIRA 10:9)

1. Institut koryuchikh iskovayotzykh Akademii nauk SSSR.
(Irkutsk region--Coke)

AUTHORS: Annenkova, V. Z., Dmitriyev, G.N., Syskov, K.I. and
Strukov, A.N. (Moscow, Irkutsk). 24-7-14/28

TITLE: Metallurgical coke produced from the coal of the Irkutsk-
Cheremkhov Basin. (Metallurgicheskiy koks iz ugley
Irkutsko-Cheremkhovskogo Basseyna).

PERIODICAL: "Izvestiya Akademii Nauk, Otdeleniye Tekhnicheskikh Nauk"
(Bulletin of the Ac.Sc., Technical Sciences Section),
1957, No.7, pp.113-115 (U.S.S.R.)

ABSTRACT: Enormous deposits of coal are available in Western Siberia.
For producing coke from this coal it is necessary to add
lean coal, since without such addition the produced coke is
full of cracks. As a result of this the various research
institutes controlled by the Ferrous-Metallurgy Ministry
have proposed the use of coking charges containing up to
40% of coal from the Kuzbas. In this paper attempts are
described of obtaining coke directly from the Irkutsk-
Cheremkhov coal using as an admixture semicoke produced from
the same coal. Laboratory tests by IGI during recent years
established the possibility of obtaining metallurgical coke
from coal of this origin; in coking charges of this coal
with an addition of 15% semicoke a strong coke was obtained
which had high quality indices during tests in a drum

1/2

ZHDANKOVICH, L.N.; KANAVETS, P.I.; ANNENKOVA, V.Z.; TSARNVA, A.S.

Fluxed metallurgical fuel from the Irkutsk Basin coal. Izv. Sib.
otd. AN SSSR no.9:69-75 '58. (MIRA 11:11)

1. Institut goryuchikh iskopayemykh AN SSSR.
(Irkutsk Basin--Coke)

ANDREKOVA, V. Z.

Obtaining metallurgical coke from coal of the Irkutsk Basin
and by-products from semicoke production. Izv. Sib. otd. AN SSSR.
no. 7:53-60 '60. (MIRA 13:8)

1. Vostochno-Sibirskiy filial' Sibirskogo otdeleniya AN SSSR.
(Coke)

ANNENKOVA, V.Z.; POLUBENTSEV, A.V.; PREDYUKOV, M.A.; KLETS, A.YE.;
BRIZON, L.P.

Effect of the addition of lime on the quality of metallurgical
coke from Irkutsk Basin coals containing several sulfides.
Izv. Sib. otd. AN SSSR no. 10:24-27 '60. (MIRA 13:12)

1. Vostochno-Sibirskiy filial Sibirskogo otdeleniya AN SSSR.
(Lime) (Coke)

ANNENKOVA, V.Z.; DMITRIYEV, G.N.

Production of metallurgical fuel from coals of the Irkutsk-Cheremkhovo Basin by briquetting. Izv. Fis.-khim. nauch.-issl. inst. Irk. un. 5 no.1:207-214 '61. (MIRA 16:8)

(Irkutsk Basin—Coal) (Briquettes (Fuel))

ANNENKOVA, Y.E.; KIETS, A.E.

Using iron ore as a kind of leaning addition in the coking of
coal. Trudy IPI no.20:137-143 '63.

(MIPA 18:2)

BELYAYEV, V.I.; ANNENKOVA, V.S.; IVANOVA, I.I.; DUDYKOVA, G.S.
KURYAYEV, E.S. [dzhenebi]

Polymerization of α -chloroacrolein. Izv. SO AN SSSR no.3
Ser. khim. nauk no.1:144-145 '65. (MIRA 18:8)

1. Irkutskiy institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR.

1. APPENDIX A. 7e.
2. USSR (100)
3. The Geometry of Countersinks and Reamers, Instrument High-Speed Cutting of Metals - Bit Up, 1961
9. Compilation of Information of the USSR Machine and Machine Tools Industry Contained in Soviet Publications.

SLEZNIKOV, O.I., inzh.; ANISHKOVA, Ya.G., kand.tekhn.nauk; GRUDOV, P.P.,
kand.tekhn.nauk [deceased]; DEGTYARENKO, N.S., kand.tekhn.nauk;
IMSHENNIK, K.P., kand.tekhn.nauk; KASENKOV, M.A., kand.tekhn.
nauk; MEL'NIKOV, N.F., inzh.; MALOV, A.N., kand.tekhn.nauk;
POKROVSKIY, B.V., inzh.; POLYAK, S.M., kand.tekhn.nauk; POLYANSKIY,
A.N., kand.tekhn.nauk; POPILOV, L.Yu., inzh.; POPOV, V.A., kand.
tekhn.nauk; RUBINSKIY, S.A., kand.tekhn.nauk; SOKOLOV, N.L.,
inzh.; SHAMIROV, S.A., inzh.; SHESTOPAL, V.M., kand.tekhn.nauk;
SHUKHOV, Yu.V., kand.tekhn.nauk; ACHERKAN, N.S., prof., doktor
tekhn.nauk, glavnyy red.; VLADISLAVLEV, V.S., red. [deceased];
POZDNYAKOV, S.N., red.; ROSTOVYKH, A.Ya., red.; STOLBIN, G.B.,
red.; CHERNAVSKIY, S.A., red.; KRYLOV, V.I., inzh, red.;
KARGANOV, V.G., inzh., red.graficheskikh rabot; SOKOLOVA, T.F.,
tekhn.red.

[Metalworking handbook in five volumes] Spravochnik metallista
v p'яти tomakh. Chleny red.soveta: V.S.Vladislavlev i dr.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Vol.3. .
Book 2. [Ferrous and nonferrous metal products] Sortiment chernykh
i tsvetnykh metallov. 1958. 204 p. Vol.4. 1958. 778 p. (MIRA 12:1)
(Metalwork)

SEKOLOV, N.L.

22(1), (7) p.3

ISSUE 1 BOX INFORMATION

007/1037

Approved technicals & great books, 1-3, (Covers Engineering Handbook in Five Volumes, Vol. 1) Moscow, Nauka, 1978. 718 p. 30,000 copies printed.

Dr. (this page): A.L. Miller, Candidate of Technical Sciences; M. (Leningrad book); V.I. Brylov, Engineer Tech. M.; T.P. Sokolov, Technical Scientist, S.D. Sokolov (Chernomorsk and Chirch M.), Doctor of Technical Sciences, Professor; V.I. Pavlovskiy, Professor (Dnepropetrovsk); A.L. Miller, Candidate of Technical Sciences; S.D. Sokolov, Professor; A. D. Korytko, Candidate of Technical Sciences; for both two libraries: V.I. Brylov, Engineer.

NOTE: This handbook may be useful to technicians and engineers working in the field of machine design and production.

CONTENTS: This volume covers the following topics: casting, forging, pressing, stamping, welding, clamping devices of machines, and metal cutting. Recently developed classical methods of machine design and metal cutting which are not yet used in production are described, viz., the so-called "electroplating" and "electroplating" methods. In parentheses are mentioned. There are 19 Soviet references.

Cont 1/2.

在苏联技术文献中

V.I. Sokolov, Engineer Tech. (D.P. Sokolov [Dnepropetrovsk], T.P. Sokolov, and S.D. Sokolov, Candidate of Technical Sciences).

- General information
- Elements of casting process
- Forging operations
- Pressing and stamping
- Drilling and reaming
- Grinding and polishing
- Milling
- Turning with lathe-type tools
- Cutting with power hand-saws and with hand-saws
- Throat cutting
- Sheetmetal operations
- Brazing operations

3-58-3-16/32

AUTHOR: Annenkova, Ye.G., Nikulin, N.S., Shashkin, A.S., Shuvalov
Yu.A., Dotsents and Candidates of Technical Sciences

TITLE: Ways of Improving the Teaching Process (Puti sovershenstvovaniya uchebnogo protsessa) Some Considerations on the Training Course in Metal-Cutting Machine Tools (Nekotoryye soobrazheniya o kurse metallovezhushchikh stankov)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, Nr 3, pp 63 - 65 (USSR)

ABSTRACT: For the purpose of rationalizing the teaching process, the above named authors have made the attempt to utilize a maximum of generalizations in lectures on metal-cutting machine tools. The trial proved successful. New, methodical and scientific principles for preparing lectures permit the study of machine tools according to a unified plan. The structural analysis - the basis of a course - defines the structure of every lecture. Visual aids are not excluded, but they serve only as auxiliary material for the lecturer. Principally the lecture is built on maximum generalizations. These are: kinematical shaping of surfaces, the theory of kinematic chains, schematizing the work of mechanisms, explaining the hydraulic outfit of machine tools by means of structural sweep, and the appli-

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3-58-3-16/32

Ways of Improving the Teaching Process. Some Considerations on the Training Course in Metal-Cutting Machine Tools

cation of structural kinematic schemes.

ASSOCIATION: Moskovskiy poligraficheskiy institut (Moscow Polygraphic Institute) Moskovskiy avtomekhanicheskiy institut (Moscow Automechanic Institute) Moskovskiy vecherniy mashinostroitel'nyy institut (Moscow Evening Machine-Building Institute)

AVAILABLE: Library of Congress

Card 2/2

ANNENKOVA, Ye.G., kand.tekhn.nauk, dotsent

Using ultrasonic in the processing of various materials. Nauch.
trudy MPI no.7/8:63-70 '58. (MIRA 14:12)
(Ultrasonic waves--Industrial applications)
(Printing machinery and supplies)

"Investigation of Control of Wintering and Frost Resistance of Barley." Cand Biol Sci, All-Union Order of Labor Red Banner Selection and Genetics Institute T. D. Lysenko, Odessa, 1955. (KL, No 11, Apr 55)

SO: Sum. No. 701, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

ANNENSKAYA, A.N.

Croplands of the area served by the Sapozhkov Machine-Tractor-Station in Ryazan Province. Nauch.dokl.vys.shkoly; geol.-nauki no.4:59-67 '58. (MIRA 12:6)

1. Moskovskiy universitet, geograficheskiy fakul'tet, kafedra ekonomicheskoy geografii SSSR, (Ryazan Province--Agriculture)

ANNENSKAYA, A.N.

Regional differences in the agricultural raw material base of the
light and food industries of East Kazakhstan Province. Vest. Mosk.
un. Ser. 5: Geog. 17 no.1:8-13 Jan '62. (MIRA 16:7)

1. Kafedra ekonomicheskoy geografii SSSR Moskovskogo universiteta.
(East Kazakhstan Province--Agriculture)

ANTENSKAYA, G.N.

"Change in the fauna of natural zones of the U.S.S.R."
by S.V. Kirikov. Vest. Mosk. un. Ser.5: Geog. 15 no.3:
76-77 My - Je '60. (MIRA 13:7)
(Zoogeography) (Kirikov, S.V.)

ANNENSKAYA, G.N.

Using the landform method in studying the fluvial plains of
large rivers. Vest. Mosk. un. Ser. 5:32-37 J1-Ag'63.

(MIRA 17:2)

1. Laboratoriya landshaftovedeniya Moskovskogo gosudarstvennogo
universiteta.

3,2400

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A166/A033

AUTHOR: Annenskiy, F. D.

TITLE: Space Psychology

24
PERIODICAL: Nauka i zhizn', 1961, No. 2, pp. 33-39

TEXT: The article investigates the various psychological problems and stresses which future astronauts will probably have to face. Experiments with animals in the second and third Soviet space ships indicate that the body can withstand the physical stresses of space flight and weightlessness. Man may find it more difficult to orientate himself in space and time during space flight because of the lack of succession of day and night and because of the absence of an "up" or a "down" in a state of weightlessness. At first the astronaut will have difficulty in judging the duration of an occurrence. The experience of the space dogs, however, indicated that they preserved some sense of time and rapidly adjust themselves to the situation. An aiding factor here would be the "time metronome" in the brain, i. e., the regular rhythm of 12 oscillations a second in the bioelectric activity of the brain. The astronaut will not be conscious of motion, noise or (except

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Space Psychology

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A166/A033

during the active phase of the flight) vibration. Prolonged isolation of this sort can cause various psychic disturbances and hallucinations. The author feels, however, that an astronaut will be assisted by the routine instrument readings and observations he will have to make. Drugs may also be used to combat tiredness or insomnia. The general conclusion is that man is sufficiently adaptable to overcome any foreseeable psychological difficulties of space flight.

Card 2/2

ANNESZKIJ, F.D., [Anneskiy, F.D.]

Psychology of spacoflight. Elet tud 16 no.20:616-619 14 My
'61.

ANNENSKIY, S. A.

22

Rationalization of crude-oil production. S. A. ANNENSKIY. *Neftepromyshlennost* 10, 708-73 (1960). Wells low in crude-oil production should be left under gas pressure to increase the yield of crude oil. (1) The radius of drainage will be increased leading to an increase in the section area proportional to the square of the radius. (2) The horizontal pressure in the strata will increase toward the well bottom as the result of static pressure of the gas, the oil thus becoming less viscous and therefore moving faster toward the shaft. (3) The amount of the gas discharge decreases, thus leading to a lowering of the adhesion and the resistance of sand particles against the oil flow. (4) The counter pressure does not permit the gas to accumulate on the walls of the casing and therefore makes for free access of the oil to the shaft. (5) The wells are kept clean and water is kept out. (6) The gas factor is kept down to 65 m³ cu m per ton of oil, thus prolonging the life of the well. (7) The gas being discharged in the form of bubbles along the casing increases the production. A. A. BORTNITSKIY.

L 36132-66 F-IT(d)/EWT(1)/EWT(m)/EWP(v)/T/EWP(k)/EWP(h)/EWP(1) #N/DJ
 ACC NR: AP6016581 (A) SOURCE CODE: UR/0182/66/000/005/0032/0036 31

AUTHOR: Topaler, S. M.; Anni, V. A.

ORG: none

TITLE: Regulation of the pressure and slide velocity of hydraulic presses 14
 with individual pump-accumulator drive

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 5, 1966, 32-36

TOPIC TAGS: metal press, hydraulic device, fluid pump, hydraulic pressure amplifier

ABSTRACT: Certain self-contained high-speed hydraulic presses use the accumulator system to supply the energy. Such a system is capable of supplying a large volume of hydraulic fluid at a relatively constant pressure in a short time. This type of system requires smaller volume capacity pumps than direct-connected systems since the pumps can recharge the accumulator during the idle period of the press cycle. The time required for loading and unloading dies is determined by the recharging-time requirements. In presses of this kind, however, whether they are vertical stamping presses or horizontal tube presses, the adjustment of pressure to the desired level, during the processing of products which do not require applying the full rated press tonnage, involves overconsumption of energy, decline in efficiency and occasional breakdowns. Most of these shortcomings can be adverted by carrying out these adjustments through

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stepless regulation of pressure in the pump-accumulator unit, as shown in Fig. 1. One

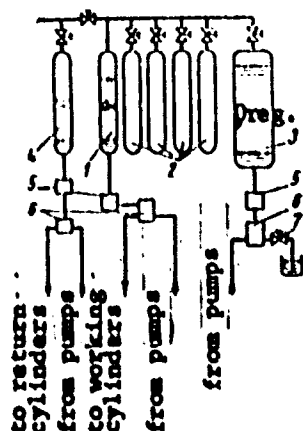


Fig. 1. Diagram of pump-accumulator station with stepless adjustment of pressure:

1 - water cylinder; 2 - air cylinders; 3 - pressure-control cylinder; 4 - return-cylinder accumulator; 5 - cut-off valves; 6 - lower-level control valves; 7 - bleed valve

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